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RAW SEQUENCE LISTING

DATE: 09/05/2002

PATENT APPLICATION: US/10/055,732

TIME: 09:43:52

Input Set : A:\EP.txt

Output Set: N:\CRF3\09052002\J055732.raw

3 <110> APPLICANT: Eritja, Ramon
 4 Garcia, Ramon Guimil
 5 Oste, Christian C.
 7 <120> TITLE OF INVENTION: Compositions and Methods for Synthesis and Use of Novel
 Nucleic Acid
 8 Structures
 10 <130> FILE REFERENCE: 03038-0202 42892-265833
 12 <140> CURRENT APPLICATION NUMBER: US 10/055,732
 13 <141> CURRENT FILING DATE: 2002-01-22
 15 <150> PRIOR APPLICATION NUMBER: US 60/162,627
 16 <151> PRIOR FILING DATE: 1999-10-29
 18 <150> PRIOR APPLICATION NUMBER: US 09/702,066
 19 <151> PRIOR FILING DATE: 2000-10-30
 21 <150> PRIOR APPLICATION NUMBER: US 60/197,559
 22 <151> PRIOR FILING DATE: 2000-04-17
 24 <160> NUMBER OF SEQ ID NOS: 30
 26 <170> SOFTWARE: PatentIn version 3.1
 28 <210> SEQ ID NO: 1
 29 <211> LENGTH: 11
 30 <212> TYPE: DNA
 31 <213> ORGANISM: Artificial Sequence
 33 <220> FEATURE:
 34 <223> OTHER INFORMATION: Synthetic oligonucleotide
 36 <400> SEQUENCE: 1
 37 gaaggaggag a 11
 40 <210> SEQ ID NO: 2
 41 <211> LENGTH: 11
 42 <212> TYPE: DNA
 43 <213> ORGANISM: Artificial Sequence
 45 <220> FEATURE:
 46 <223> OTHER INFORMATION: Synthetic oligonucleotide
 48 <400> SEQUENCE: 2
 49 cttcctcctc t 11
 52 <210> SEQ ID NO: 3
 53 <211> LENGTH: 11
 54 <212> TYPE: DNA
 55 <213> ORGANISM: Artificial Sequence
 57 <220> FEATURE:
 58 <223> OTHER INFORMATION: Synthetic oligonucleotide
 60 <220> FEATURE:
 61 <221> NAME/KEY: misc_feature
 62 <222> LOCATION: (6)..(9)
 63 <223> OTHER INFORMATION: Any n = 8-aminoadenine
 66 <400> SEQUENCE: 3

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72 <212> TYPE: DNA
73 <213> ORGANISM: Artificial Sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: Synthetic oligonucleotide
78 <220> FEATURE:
79 <221> NAME/KEY: misc_feature
80 <222> LOCATION: (5)..(8)
81 <223> OTHER INFORMATION: Any n = 8-aminoguanine
84 <400> SEQUENCE: 4

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88 <210> SEQ ID NO: 5
89 <211> LENGTH: 11
90 <212> TYPE: DNA
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: Synthetic oligonucleotide
96 <220> FEATURE:
97 <221> NAME/KEY: misc_feature
98 <222> LOCATION: (5)..(8)
99 <223> OTHER INFORMATION: Any n = 8-aminohypoxanthine
102 <400> SEQUENCE: 5

W--> 103 gaagnagnag a 11
106 <210> SEQ ID NO: 6
107 <211> LENGTH: 11
108 <212> TYPE: DNA
109 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Synthetic oligonucleotide
114 <220> FEATURE:
115 <221> NAME/KEY: misc_feature
116 <222> LOCATION: (5)..(5)
117 <223> OTHER INFORMATION: n = 8-aminoguanine
120 <220> FEATURE:
121 <221> NAME/KEY: misc_feature
122 <222> LOCATION: (6)..(6)
123 <223> OTHER INFORMATION: n = 8-aminoadenine
126 <220> FEATURE:
127 <221> NAME/KEY: misc_feature
128 <222> LOCATION: (8)..(8)
129 <223> OTHER INFORMATION: n = 8-aminoguanine
132 <220> FEATURE:
133 <221> NAME/KEY: misc_feature
134 <222> LOCATION: (9)..(9)
135 <223> OTHER INFORMATION: n = 8-aminoadenine
138 <400> SEQUENCE: 6

W--> 139 gaagnngnng a 11

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142 <210> SEQ ID NO: 7
143 <211> LENGTH: 11
144 <212> TYPE: DNA
145 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: Synthetic oligonucleotide
150 <400> SEQUENCE: 7
151 tttttccccc c 11
154 <210> SEQ ID NO: 8
155 <211> LENGTH: 11
156 <212> TYPE: DNA
157 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: Synthetic oligonucleotide
162 <220> FEATURE:
163 <221> NAME/KEY: misc_feature
164 <222> LOCATION: (6)..(9)
165 <223> OTHER INFORMATION: Any n = 8-aminoadenine
168 <400> SEQUENCE: 8
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172 <210> SEQ ID NO: 9
173 <211> LENGTH: 11
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial Sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Synthetic oligonucleotide
180 <220> FEATURE:
181 <221> NAME/KEY: misc_feature
182 <223> OTHER INFORMATION: Synthetic oligonucleotide
185 <400> SEQUENCE: 9
186 cttcttcctc t 11
189 <210> SEQ ID NO: 10
190 <211> LENGTH: 15
191 <212> TYPE: DNA
192 <213> ORGANISM: Artificial Sequence
194 <220> FEATURE:
195 <223> OTHER INFORMATION: Synthetic oligonucleotide
197 <220> FEATURE:
198 <221> NAME/KEY: misc_feature
199 <223> OTHER INFORMATION: Synthetic oligonucleotide
202 <400> SEQUENCE: 10
203 ttttcttcct cctct 15
206 <210> SEQ ID NO: 11
207 <211> LENGTH: 15
208 <212> TYPE: DNA
209 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: Synthetic oligonucleotide
214 <220> FEATURE:

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215 <221> NAME/KEY: misc_feature
216 <222> LOCATION: (10)..(13)
217 <223> OTHER INFORMATION: Any n = 8-aminoadenine
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224 <210> SEQ ID NO: 12
225 <211> LENGTH: 16
226 <212> TYPE: DNA
227 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: Synthetic oligonucleotide
232 <220> FEATURE:
233 <221> NAME/KEY: misc_feature
234 <222> LOCATION: (11)..(14)
235 <223> OTHER INFORMATION: Any n = 8-aminoadenine
238 <400> SEQUENCE: 12
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242 <210> SEQ ID NO: 13
243 <211> LENGTH: 4
244 <212> TYPE: DNA
245 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: Synthetic oligonucleotide
250 <400> SEQUENCE: 13
251 tttt 4
254 <210> SEQ ID NO: 14
255 <211> LENGTH: 5
256 <212> TYPE: DNA
257 <213> ORGANISM: Artificial Sequence
259 <220> FEATURE:
260 <223> OTHER INFORMATION: Synthetic oligonucleotide
262 <400> SEQUENCE: 14
263 ggagg 5
266 <210> SEQ ID NO: 15
267 <211> LENGTH: 11
268 <212> TYPE: DNA
269 <213> ORGANISM: Artificial Sequence
271 <220> FEATURE:
272 <223> OTHER INFORMATION: Synthetic oligonucleotide
274 <400> SEQUENCE: 15
275 tctcctcctt c 11
278 <210> SEQ ID NO: 16
279 <211> LENGTH: 11
280 <212> TYPE: DNA
281 <213> ORGANISM: Artificial Sequence
283 <220> FEATURE:
284 <223> OTHER INFORMATION: Synthetic oligonucleotide
286 <400> SEQUENCE: 16
287 tctcctgctt c 11

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Input Set : A:\EP.txt

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292 <212> TYPE: DNA
293 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: Synthetic oligonucleotide
298 <220> FEATURE:
299 <221> NAME/KEY: misc_feature
300 <222> LOCATION: (7)..(7)
301 <223> OTHER INFORMATION: n = either 8-aminohypoxanthine or hypoxanthine
304 <400> SEQUENCE: 17
W--> 305 tagaggtcc attgc 15
308 <210> SEQ ID NO: 18
309 <211> LENGTH: 15
310 <212> TYPE: DNA
311 <213> ORGANISM: Artificial Sequence
313 <220> FEATURE:
314 <223> OTHER INFORMATION: Synthetic oligonucleotide
316 <220> FEATURE:
317 <221> NAME/KEY: misc_feature
318 <222> LOCATION: (9)..(9)
319 <223> OTHER INFORMATION: n = adenine, guanine, cytosine or thymine
322 <400> SEQUENCE: 18
W--> 323 gcaatgganc ctcta 15
326 <210> SEQ ID NO: 19
327 <211> LENGTH: 11
328 <212> TYPE: DNA
329 <213> ORGANISM: Artificial Sequence
331 <220> FEATURE:
332 <223> OTHER INFORMATION: Synthetic oligonucleotide
334 <220> FEATURE:
335 <221> NAME/KEY: misc_feature
336 <222> LOCATION: (6)..(9)
337 <223> OTHER INFORMATION: Any "n" = 8-aminoadenine
340 <400> SEQUENCE: 19
W--> 341 gaagtnggng a 11
344 <210> SEQ ID NO: 20
345 <211> LENGTH: 11
346 <212> TYPE: DNA
347 <213> ORGANISM: Artificial Sequence
349 <220> FEATURE:
350 <223> OTHER INFORMATION: Synthetic oligonucleotide
352 <400> SEQUENCE: 20
353 cttcgtcctc t 11
356 <210> SEQ ID NO: 21
357 <211> LENGTH: 11
358 <212> TYPE: DNA
359 <213> ORGANISM: Artificial Sequence
361 <220> FEATURE:

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 09/05/2002
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 6,9
Seq#:4; N Pos. 5,8
Seq#:5; N Pos. 5,8
Seq#:6; N Pos. 5,6,8,9
Seq#:8; N Pos. 6,9
Seq#:11; N Pos. 10,13
Seq#:12; N Pos. 11,14
Seq#:17; N Pos. 7
Seq#:18; N Pos. 9
Seq#:19; N Pos. 6,9
Seq#:22; N Pos. 5
Seq#:24; N Pos. 2,4,5,7,8
Seq#:27; N Pos. 6,9
Seq#:29; N Pos. 1,4,5,7,8,10

VERIFICATION SUMMARY

DATE: 09/05/2002

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Input Set : A:\EP.txt

Output Set: N:\CRF3\09052002\J055732.raw

L:67 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:85 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:169 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:221 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:341 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:383 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:419 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:461 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
L:497 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0